



DX NEWS

*the magazine of the
National Radio Club*

SINCE 1933

VOLUME 53 ISSUE 22 Monday, March 10, 1986

Pay Attention!

Log Updaters 1, 2, 3 and now 4 are available for US\$1.00 each. Get yours for your logbook from the NRC Publication Center.

In another attempt to cut expenses, renewal notice postcards will soon be a thing of the past. Instead your mail label and a stamped message will be your source of notice that your DX NEWS is about to run out. More on this next issue.

Also available for just listening to one of the many NRC notes and comments on a shortwave program is our famous NRC QSL Card. You can only get it by listening to an NRC radio program. Report what you heard, time, freq., etc. and send along an SASE. Add class to your QSL collection, get yours today!

New Item available from the NRC Publication Center. For details see bottom of page 6.

Another note, the NRC Publication Center now has available the newest edition of the NRC Catalog. Get yours for only 50 cents.

1986 NRC Convention Info This years convention will be held at the Ramada Inn, located at New Castle, DE at the intersections of Interstate 295 & Route 13 this Labor Day Weekend. We've been able to get some nice rates. For those who set up their plans early, know who they want to share a room with, etc., can get in on some good rates. For those who wish to do it prior to August 1st, rates will be \$36 single/ \$42 Double/ \$6 per extra with a 50% deposit. After August 1st, reservations must be made directly with the Ramada, with rates \$48 Single /\$54 double /\$6 per extra, guaranteed with credit card. For an advance reservation form, info., please direct inquires to Dave Schmidt, Box 11502, Wilmington, DE 19850. More info on this event will grace these pages over the next couple of issue. And please include a mint US 22 cent stamp to offset costs. Thanks.

From ANARC comes word that Bob Horvitz has been appointed as ANARC's Government Affairs Liaison. Also ANARC is looking for nominees in the area of Executive Secretary. If interested contact us here at HQ.

April Fools Issue is fast approaching. Get your materials into HQ here right away. Like yesterday! Its only 2 issues away! Thanks. And remember keep it clean!!!

For those interest in the Canada/Norway Ham persons, here they are. Jeff Falconer, Canada, VE3LSK, Class-G, 160-10 CW; Andy Rugg, Canada, VE2AQP, Class-B, 3.5 -28MHz CW; Geir Stokkeland, Norway, LA5VAA, Class-?, 80-70cm., CW & SSB. QSL via LM4Y. If your not here, get your info to Russ Edmunds now.

CPC TESTS — Times listed are EASTERN Local Time

Mar 31 KPCR-1530 Bowling Green, MO 0300 - ???, Voice, Code ID's, and music will be used. Reports to: J. Paul Salois, President, KPCR Radio, Box 1, Bowling Green MO 63334 Arranged by Wayne Heinen and Dan Bartek for the NRC.

Apr 7 WGBQ-920, Kingston, NY 0100-0130 will be running an equipment test. Reports to: Don Stewart, CE, 82 John St., Kingston, NY 12401. Test Info provided to the NRC by Laura M. McCusker, (employee at stn and NRC member!)

Other Magazines using CPC info MUST credit the NRC and the Arranger.

LOOK INSIDE:

2.....AM Switch	3.....DDX - East	5.....DDX - West
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AM SWITCH

2 Jerry Starr, c/o WHOT Radio, 401 N. Blaine Ave., Youngstown, OH 44505

CALL LETTER CHANGES

Old call:	New call:
780 KVFC CO Cortez	KISZ
1140 KKAT OK Oklahoma City	KATR

APPLICATIONS FOR NEW STATIONS

830 OK Catoosa:	1699 D3
1120 AL Oxford:	500 D1
1330 GA Murrayville:	1000 D1

GRANTS FOR NEW STATIONS

1160 NJ Oakland: 1000/1000 U4
 1490 AR Dardanelle: 1000/1000 U1 (although listed as a "CP" in the latest NRC Log, it was in hearing and was just granted 1/27/86)

APPLICATIONS FROM EXISTING FACILITIES

600 WKWL KY Paintsville:	power to 5000
740 WVCH PA Chester:	power to 50000 D3
860 WGOM IN Marion:	add 500 watts night
1160 WOBM NJ Lakewood:	night power for fulltime CP to 5000 U4, still on 1170 kHz

GRANTS TO EXISTING FACILITIES

980 WLPO KY Pittsburg:	change city of license to London, KY
1030 KHWY CA Folsom:	changes in antenna system
1120 WKOW PA Oil City:	relocate XR, new station not on yet
1170 WMVI NY Mechanicsville:	to 1160 kHz 50000/1000 U4
1250 WPRZ VA Warrenton:	changes in antenna system

OTHERNESS

660 KTNN AZ Window Rock: announced 2/28 air date so should be on by the time you read this, format will be mix of country/AC
 760 WVNE MA Leicester: applies to reinstate expired CP for new station
 830 WACN KY Franklin: granted extention of CP for new station to 8/25/86
 860 WADU LA Norco: requests extention of CP for new station
 880 WHBE SC St. Andrews: granted extention of CP for new station to 1/23/87
 880 WBOZ PR Sabana Grande: granted extention of CP for new station to 11/4/86
 910 WMSH IN Mishawaka: CP for new station is no longer in the Database, evidently cancelled
 940 WINE CT Brookfield: application for move to 1160 kHz DISMISSED
 1030 WBZE MD Indian Head: expected on the air "soon" with REL format
 1040 KKRE CO Monument: granted extention of CP for new station to 7/15/86
 1110 WHIM RI East Providence: fulltime 5000/500 U4 CP is on, now NSP
 1170 WVSG NY Cornwall: application for move to 1160 kHz DISMISSED. We also suspect this station might be silent. When we called them to confirm the 1160 dismissal the telephone was no longer working, no forwarding number. Info operator sez there is no radio station listed in that area at all under any call letter. Can somebody in that area confirm?
 1210 WSBT TN Static: requests extention of CP for new station
 1240 WDFL FL Cross City: granted extention of CP for new station to 3/31/86
 1550 KISK NV Reno: requests extention of CP for new station
 1560 KJUW CO Colorado City: granted extention of CP for new station to 8/25
 1600 WTRU MI Muskegon: station is silent pending sale

ADDRESS

1030 WBZE MD Indian Head: 751 Rockville Pike #4B, Rockville, MD 20852

All for this edition, 73 and Good DX,

Jerry & BK7
 Jerry Starr & Buffalo K. Foonman

* WIOD/Miami has been granted \$64,026 by the FCC as compensation for the cost of raising power from 5 to 10 kW and changing antenna arrays to offset interference from Cuba. Only WSUNITampa and WNWSS/Miami have received similar reimbursement to date.

DOMESTIC DX DIGEST - EAST

Dave Schmidt (302) 323-0338
 42 Chelwynne Road, Castle Hills, New Castle, DE 19720

Here is the NRC column which is not quite as exciting as a can of tomato soup! When sending your items in, please type or neatly write, one side of the paper, EST, leave a line or two between items, and tips over a month old are filed in file #13! Write anything you want on the envelope, just don't call me Chuck!



DX TESTS

730 KURL MT BILLINGS	- Not heard. (EB-MO)
1000 WIFX KY JENKINS	- Not heard, drat! (EB-MO)
1310 WDCT VA FAIRFAX	- Not heard. (EB-MO)....Not heard, zzzz! (PRM)
1570 WWWW WV ST MARY'S	- 2/17 fair/very good o/u CKLM/XERF w/TT, female ID's, carnival music 0100-0130. Called, mentioned calls from Bayside & Staten Island, NY. (PRM-NJ)....2/17 0105-0130 fair u/CKLM w/TT, music, female voice ID's. (LM-NY)....2/17 0100 poor u/CKTA/XERF w/TT, ID's, music. (KDF-IL)....2/17 0100-0115 w/TT & ID's, would have been better if CKLM hadn't come on or went to non-DA at 0057. (JK-MD)....2/17 very weak w/TT, Christmas music, same female anc'r on each ID, much CHLO/XERF. (JS-OH)

**B20
CHAM**

MIDDAY - MIDNITE

640 WFNC NC FAYETTEVILLE	- 1/22 1725 PM Fayetteville news program, ID. Ex-940. (BS-NJ)
650 WKHQ MN NASHWAUK	- 2/4 1822-1830 fair u/WSM w/Ch music, ads, news headlines up til pattern change. (KDF-IL)
680 WCNN GA ATLANTA	- 1/23 1735 ID, local sports news. (BS-NJ)
WWR	TN MEMPHIS - 1/23 1809 ID, pop/rock music. (BS-NJ)
730 WFMW KY MADISONVILLE	- 1/23 1840 ID, America's Country Music slogan w/ID. (BS-NJ)
740 KRNG OK TULSA	- 1/23 1832 good u/CBL w/talk. (BS-NJ)
810 WMTS TN MURFREESBORO	- 1/31 1753 local ads, ID. (BS-NJ)
860 KKW	KS PITTSBURG - 1/23 1812 ID, mentions of KS/MO. (BS-NJ)
1040 WJOR TN ST JOSEPH	- 2/1 1831 good w/s/off w/anc'd power of 2500 watts. (KDF-IL)
1110 WSFN NY SENeca FALLS	- 2/17 1818 poor u/WHIM w/ID. (LM-NY)
1170 WCLN NC CLINTON	- 2/10 1755 ID, news, no sign of WHVA. (WPT-DC)
1180 WJJN IN NEWBURGH	- 2/4 1831 fair w/s/off, also noted 2/5. (KDF)
KTUN TX HUMBLE	- 1/27 1915-1937 xint w/4 in a row' mention w/ ID, request for requests. (EE-IL)
1240 WSKI VT MONTPELIER	- 2/17 1808 fair w/news, rock music. (LM-NY)
WCOU ME LEWISTON	- 2/17 1806 jumped out of mess w/ID. (LM-NY)
1250 WKBR NH MANCHESTER	- 2/17 1800 briefly o/WMTR w/sports news, legal ID. (LM-NY)
1280 WPXY NY ROCHESTER	- 2/5 1730 very strong w/98 PXY ID's, rock music. (BS-NJ)
1290 WHIO OH DAYTON	- 2/21 1730-1737 fair w/local news, ad, PSA. (LM)
WQIN PA LYKENS	- 2/17 1756 Fair/good w/promo, ad, 'Your Radio Station' slogan w/ID. (LM-NY)
1300 WMTM GA MOULTRIE	- 1/17 1758 s/off w/mention of WMTM FM 93.9, closing w/choral version of America. (KVV-GA)
1330 WCVC FL TALLAHASSEE	- 1/18 1742-1800 w/Eternal Rock show, contemporary Christian music, full date s/off even giving tower height! Slogan is Christian Voice of the Capital. (KVV-GA)
1340 WJMA VA ORANGE	- 2/13 1315 fair w/WEPN w/definite ID finally noted, previous tentative. (WPT-DC)
1350 WCBA NY CORNING	- 2/17 1750 fair o/u WMRS. (LM-NY)
WMRS NH LACONIA	- 2/17 1748 good o/u WCBA w/ad, cancellations, Solid Gold ID. (LM-NY)
KSLQ MO WASHINGTON	- 2/5 1526 good o/WJBD w/rock music. (EB-MO)

1360 WKAT FL MIAMI - 2/10 1806 Fair w/WIXY auroraed out, news, weather report, Latin song. (WPT-DC)
 1380 CKLC ON KINGSTON - 2/6 2200 Big signal w/Musicradio ID's, slick sound rock/contemporary format. (BS-NJ)
 WAVI NH PORTSMOUTH - 2/5 1725 way atop w/60's oldies, Wave ID. (BS)
 1400 WULF GA ALMA - 1/25 1800 long wanted, noted w/s/off, brief. (KVJ)
 WPRY FL PERRY - 1/25 1800 in briefly after WULF s/off w/ID. (KVJ)
 1410 WKQE FL TALLAHASSEE - 1/27 1755-1800 w/B/Sol music, slogan is The All New Super Q, last heard in '74 as WONS. (KVJ-GA)
 WMYR FL FT MYERS - 1/27 1756 briefly noted in WKQE fade w/Big Band type music, ID. (KVJ-GA)
 1420 WASR NH WOLFEBORO - 2/5 1720 atop w/1420 Club promo. (BS-NJ)
 1470 WSRO MA MARLBORO - 2/14 1715 ID, ski report in WXXM null. (BS-NJ)
 1500 WBRI IN INDIANAPOLIS - 1/22 1745 s/off w/American Bible Radio mention in s/off. (KVJ-GA)
 1590 WIXX WI NEW RICHMOND - 1/27 1830 Fair w/music, ID. (EE-IL)
 1600 WZZK AL BIRMINGHAM - 2/1 2010-2030 strong w/ID, CW music. (EE-IL)
 WLNG NY SAG HARBOR - 2/5 1718 ID, promo for DJ's. (BS-NJ)

****MIDNITE - MIDDAY****

560 *WIND IL CHICAGO - 2/17 0115 noted w/OC only, maybe new owners will have a MM SP? (KDF-IL)
 1040 WJOR TN ST JOSEPH - 2/1 0706 CW music, TN Valley weather, ads, ID dualed w/Lawrenceburg. (KVJ-GA)
 1230 KFJB IA MARSHALLTOWN - 2/7 0023-0030 w/rock music, ID, faded to KWIX. (EB-MO)
 1250 *WMTR NJ MORRISTOWN - 2/10 0030 good/xInt o/WARE/WTAE w/TT. (LM)
 1290 WIRK FL WEST PALM BEACH - 2/3 0105 poor thru noise w/end of news, ID. (LM-NY)
 1400 WCLB GA CAMILLA - 1/27 0805 w/CW music, local news & weather, last heard on 1220. (KVJ-GA)
 1410 WINF FL LEESBURG - 2/1 0700 w/new calls, gospel music & promos, CNN News. (KVJ-GA)
 1420 WHK OH CLEVELAND - 2/16 0156-0200 fair w/oldies, 14K Solid Gold Radio, ID. (LM-NY)
 *WKOW VA WARRENTON - 2/8 0035 very good w/TT, IDs. (LM-NY)
 1450 WJBX CT BRIDGEPORT - 2/10 0030 w/ID, oldies w/WCTC on OC. (BS-NJ)

**** T-I-S ****

530 CFYZ ON TORONTO - 2/3 0030 w/airport terminal info. (BS-NJ)

**** PIRATES ****

1625v WHOT NY NEW YORK - 2/17 0230-0350 'The hot one' w/mostly 60's rock music, phone calls to 718 area code (NYC). Signal strong most of the time but some audio problems/hum noted. 50 watts per call. (PS-MA)....2/17 0140-0400 per tip, fair but beacons gave it a rough time, very surprised at their choice of calls! Mentioned calls from NYC area, Detroit, Boston, xInt audio when atop freq. Sounds like the old WFAT from the late 70's, ID's as 'WHOT, 16-20 & a half in NYC', homemade jingles didn't sound bad! (JS-OH)

****REPORTING REPORTERS****

KVJ-GA/Karl Jeter, Stone Mountain, GA
 PRM-NJ/Paul Mount, Teaneck, NJ/TRF
 LM-NY/Laura McCusker, Kingston, NY/Superadio Trio
 EE-IL/Edward Eisentraeger, Machesney Park, IL/Superadio, TRF, SM2
 EB-MO/Eric Bueneman, Hazelwood, MO/DX200, DX400, Lw
 KDF-IL/Karl Forth, Chicago, IL/HQ160, IC R70
 BS-NJ/Bob Smolarek, Whitehouse Station, NJ/R2000, Kowalksi Loop
 JK-MD/Joe Kureth, Uniontown, MD/SX99, Lw
 WPT-DC/Bill Townshend, Washington, DC/TRF, SM60
 PS-MA/Phil Sullivan, Alton, MA/IC R70, Altaz Loop
 JS-OH/Jerry Starr, Hubbard, OH/HQ180, Loop

CU Next week!

DOMESTIC DX DIGEST - WEST

Nancy Hardy, 2301 Pacific Avenue, Aberdeen, WA 98520

⑤

When reporting to DDWD-West use the same form that you see in the column, use Eastern time, and only one side of the sheet of paper. Be sure to put DDWD or NRC on the envelope or report. If you are in IRCA and would like to send a report for both clubs in the same envelope, use a piece of carbon paper when you write/type up your report so you will have two reports!

****EMERGENCY BROADCASTS****

1260 KOIT CA SAN FRANCISCO - 2/14 1900 off the air because of bad storm. (RT-CA)
 1550 KKHI CA SAN FRANCISCO - 2/14 noted off 1900-2105 due to high winds and rain. (RT-CA)

MIDNIGHT TO MIDDAY

530 KNEU564 CA TRUCKEE - 2/14 0250 tentative with loop tape w/female giving road conditions, Nevada City Caltrans address. New. weak. (RT)

MIDDAY TO MIDNIGHT

1050 KOFY CA SAN MATFO - 2/15 1948-2005 shocked to hear James Gabbert playing oldies & taking calls--he now owns the station. He says "Something's perking at Coffee" as of March 3. Slogan is "Coffee 10-50 AM." Was silent yesterday, had assumed it was because of the bad storm but now not so sure. (RT-CA)
 1260 KSNO CO ASPEN - 2/14 1958 ments. of Aspen, wx report, talk of chain controls on I-70, but never heard ID. Faded away and KTEE faded up. (RT-CA)
 KTEE ID IDAHO FALLS - 2/14 1959-2001 "Super Gold KT double E" slogan, into sign-off details. Good, new. (RT-CA)
 KVSP NM SANTA FE - 2/14 2006 "Northern New Mexico's Information Center KVSP," wx, local news. Good signal. (RT-CA)
 KGIL CA SAN FRANCISCO - 2/14 2028 talk program, talk about contest, call ID. (RT-CA)
 1280 KQAK OR EUGENE-SPRINGFIELD - 2/15 1959 ID, weather, oldie music. Completely o/KIT. Ex-KYKN/KBDF. (NH-WA)
 1400 KBGG OR CAVE JUNCTION - 2/21 2000 ID into Ai news, o/the mess. Ex-KIVR. (NH-WA)
 1470 KKPO CA COALINGA - 2/14 1949 faded up with "KPO" ID, local ads. Ex-KOLI. (RT-CA)
 KBCM UT TREMONTON - 2/14 1957 heard "KBCM AM & FM Tremonton-Ogden-Brigham City" ID, clear on top of channel, bombing in, a surprise! (RT-CA)
 1550 KKEY CA PRFSNO - 2/14 1917 bombing in with Radio Tropical ID, SS programming, mentions of Valentine's Day, H&R Block ad, also KKEY ID in English. New. (RT-CA)

REPORTERS

NH-WA/Nancy Hardy, Aberdeen, WA/FRG-7, Radio West loop
 RT-CA/Rich Toebe, Pleasanton, CA/Grundig 3400, Radio West loop

ST. PAUL BORG TIMES

**1921 on AM dial
 is heavy for two**

Two men who thought they were going to a radio station to sell cocaine to a disc jockey instead were taken by an undercover officer to a New Jersey State Police bureau, police said Wednesday. The men were led Tuesday into the Northern Regional Narcotics Bureau in Hackensack, where they put a kilogram (2.2 pounds) of cocaine on a desk and asked for \$34,000 from the duty officer, said Lt. Fred Martens, bureau supervisor. They were promptly arrested, he added.

Gustavo Lopez, 49, and Juan Guillermo Castano, 22, both Colombian nationals, were charged with drug possession and distribution, said Sgt. Lawrence Churm. They were being held in the Bergen County Jail pending arraignment today. The undercover agent had told Lopez and Castano that they were visiting radio station NJSP, channel 1921 on the AM dial, police said. The New Jersey State Police was founded in 1921. The AM radio dial goes only as far as 1600. The building is not marked by any sign indicating that it belongs to the state police.

VIA TOM TOMINS

KGGF 10,000 WATT
 RADIO 69

306 West 8th Street
 P. O. Box 1087
 Coffeyville, Kansas 67337

INTERNATIONAL DX DIGEST

Chuck Hutton, 437 Hardendorf Ave., Atlanta, GA 30307
404-378-8215 Before 2300 ELT

⑤ Times are GMT

For ELT subtract 5 hours.

Deadline: Monday

550 CUBA Pinar del Rio R. Rebelde CMAA 2/10 0715 SS, good w/Rebelde pgms 2/10 0715 SS, good w/Rebelde programs // 590. According to WRTA last minute info this moved to 710. (Rigas) That was the fellow on 690-Chuck 580 CUBA Baracoa CMMF R. Rebelde 2/10 0902 SS, weak w/Rebelde ID and Cuban mx // 590 and others. (Rigas)

580 MEXICO Piedras Negras XEMU 2/11 0304 SS news followed by ranchera mx. Many "La Ranchera de la 7ive" (can't read-CH) slogans. (Rigas)

670 CUBA Havana 1/28 0457 SS talk by man, s/off w/NA. Fair. (Townshend)

680 UNID 2/10 0600 s/off LA stn heard w/LA mx and giving many slogans as La Primeris?? (can't read-Chuck). S/off at 0600 without any announcement but with possible anthem. Poor due to WMAD slop. (Rigas) I could try to ID the anthem for you-Chuck

730 COSTA RICA San Jose TIHB R. Reloj 2/10 0818 SS fair and alone w/man Radio Reloj de Costa Rica ID's // 4832 SW. (Rigas)

770 COLOMBIA HJKH Bogota 2/10 0432 SS poor w/LA songs, nx, ads and mentions of Bogota. ID as Radio Cadena Nacional de Bogota. (Rigas) Which isn't truly an ID for HJKH but rather a network ID-Chuck

770 EL SALVADOR San Salvador YSKL 2/10 0454 in SS, fair o/Colombian w/nx and many "Radio Cadena YSKL" ID's. (Rigas)

925 ST. KITTS Basseterre 2/10 0400 end of gospel pgm, ready to s/off. Fair to good. (Townshend)

980 COSTA RICA Alajuelita TIRI R. Impacto 2/12 0348 poor with anti-sandinista talk, ID and // 6160 SW. (Rigas)

1140 CUBA Havana CMBW R. Cadena Habana 2/10 0455 SS fair to poor w/Cuban mx, ID and cuckoo clock at 0500. (Rigas)

1160 CUBA Havana CM. 2/11 225B Radio Siana with travelling info on Cuba in EE, then s/off. Good. (Townshend)

1220 MEXICO Mexico City XEB 2/10 0625 fair w/Mexican mx and ID at 0630. (Rigas)

1580 ANTIGUA St. John's VOA 1/30 0249 news by man/woman, mention of shuttle tragedy. Good. (Townshend)

No column last week and it wasn't even my fault! It was Dave Schmidt's fault! Not really. You people just forgot to send anything in. Slim pickings this week too. Thanks to WPT and newcomer Christos Rigas for the reports. Christos was DX'ing during what the experts called the biggest solar storm in 10 or 20 years depending on whom you listen to.

Christos Rigas-Chicago, Ill. R2000, Kowalski loop
Bill Townshend-Washington DC TRF

Who says we don't listen to you!!!

Tired of having Dave or Chuck yelling at you for not having your stuff in the right order? Tired of not seeing your tips in the columns cause you forgot a minor detail in your report...like the call letters. And now there's Nancy yelling at you for being stupid. Well....my friend....lend an ear.

30 sheets of a prepared report form,
room for over 20 entries

30 DDXD addressed labels

Available for US \$2.80

Prepared Forms are available for:

DDXD - East

DDXD - West

IDXD

ORDER YOURS TODAY !!!!!

FROM THE NRC PUBLICATION CENTER



STATUS OF DOMESTIC STATIONS (100 watts or more) ①
As of February 2, 1986

Key: A= Total number of licensed stations currently operating
B= Construction Permits for New Stations.
C= Construction Permits for Change of Frequency.
D= Stations temporarily "off the air". (SILENT)

STATE/PROVINCE	A	B	C	D
1--TEXAS	301	9	3	0
2--CALIFORNIA	243	13	1	2
3--NORTH CAROLINA	224	7	2	0
4--FLORIDA	208	16	3	2
5--GEORGIA	194	5	1	1
6--PENNSYLVANIA	189	4	3	0
--TENNESSEE	189	7	2	2
8--NEW YORK	166	4	1	1
9--ALABAMA	158	9	0	1
10--VIRGINIA	147	3	1	2
11--KENTUCKY	139	8	1	1
12--MICHIGAN	137	5	1	2
13--ILLINOIS	131	4	0	0
--OHIO	131	2	0	1
15--MISSOURI	117	2	1	2
16--MISSISSIPPI	113	2	1	5
--SOUTH CAROLINA	113	2	1	0
--WISCONSIN	113	1	0	0
19--WASHINGTON	104	5	0	4
20--ARKANSAS	103	1	0	1
--ONTARIO	103	0	3	2
22--MINNESOTA	101	3	2	1
23--LOUISIANA	100	3	0	1
24--INDIANA	89	3	0	1
25--OREGON	87	3	0	0
--QUEBEC	87	1	0	3
27--IOWA	85	0	0	1
28--COLORADO	79	9	1	2
29--ARIZONA	74	7	1	1
30--MASSACHUSETTS	68	4	0	1
--OKLAHOMA	68	1	0	0
--BRITISH COLUMBIA	68	1	4	0
33--WEST VIRGINIA	67	2	0	0
34--KANSAS	62	1	0	0
--NEW MEXICO	62	2	1	0
36--MARYLAND	51	2	1	0
37--NEBRASKA	50	2	0	0
38--MONTANA	49	0	0	1
39--IDAHO	46	2	1	1
40--ALBERTA	45	0	4	1
41--CONNECTICUT	41	1	2	1
--UTAH	41	3	3	0
43--ALASKA	39	8	2	0
--MAINE	39	0	2	2
45--NEW JERSEY	38	1	1	1
46--SOUTH DAKOTA	36	1	0	0
47--NORTH DAKOTA	34	2	0	0
48--WYOMING	33	1	0	1
49--NEWFOUNDLAND	32	0	1	0
50--NEW HAMPSHIRE	29	0	0	2
51--HAWAII	27	2	0	2
52--NEVADA	22	5	0	0
53--VERMONT	20	0	1	0
--SASKATCHEWAN	20	0	0	0
55--MANITOBA	19	0	0	0
56--NEW BRUNSWICK	18	0	1	1
--NOVA SCOTIA	18	0	0	0
58--RHODE ISLAND	16	0	0	0
59--DELAWARE	10	0	0	0
60--DISTRICT OF COLUMBIA	7	0	0	0
61--NORTHWEST TERRITORIES	5	0	0	1
62--PRINCE EDWARD ISLAND	3	0	0	0
63--YUKON TERRITORY	2	0	0	0
TOTALS	5209	179	53	54

STATIONS KNOWN TO BE TEMPORARILY OFF THE AIR...As of February 2, 1986

FREQ. CALL STATE CITY

Last Volume
reported in

IRCA NRC

580---KIKX---AZ---Tucson
 630---KKPL---WA---Opportunity
 600---CFCT---NWT---Tuktoyatuk
 840---WBHY---AL---Mobile
 850---KHOF---IA---Waterloo
 900---WOTW---NH---Nashua
 910---KOYN---MT---Billings
 950---KKIC---ID---Boise
 980---WRIP---GA---Rossville
 ---WLPQ---KY---Pittsburg
 1070---CKST---AB---St. Albert's
 1080---KWA1---HI---Honolulu
 1110---KKLC---LA---Pineville
 1130---KLEI---HI---Kailua
 1170---WRIT---CT---Vernon
 ---CPML---ON---Cornwall
 1230---KSZL---CA---Barstow
 ---WBME---ME---Belfast
 ---WNHX---NH---Berlin
 1240---CJNH---ON---Bancroft
 1270---WWES---VA---Hot Springs
 1310---WKQJ---MS---Hattiesburg
 1320---WKPG---MS---Port Gibson
 1330---WBAS---FL---Crescent City
 1370---KMAP---MN---Center City
 1380---KCKO---WA---Spokane
 ---CHLR---NB---Moncton
 1390---KPPL---CO---Denver
 1400---CKRV---QU---Drummondville
 1410---WATD---MA---Brockton
 1430---WLAU---MS---Laurel
 ---WBRL---MI---Mt. Clemens
 ---WBMK---TN---Knoxville
 1440---KFPS---MO---Salem
 ---WRHX---VA---Herndon/Reston
 1450---KDRW---CO---Silverton
 1460---KRLB---NJ---Mt. Holly
 ---KARR---WA---Kirkland
 1470---KGNG---MO---Brookfield
 ---CKPB---QU---Ville-de-la-Baie
 1490---WZOR---FL---Immokalee
 ---KRTR---NY---Thermopolis
 ---CKBM---QU---Montmagny
 1500---KRCK---CA---Burbank
 ---WKPO---MS---Prentice
 1510---KKZU---WA---Mountlake Terrace
 1520---WIDD---TN---Elizabethton
 1530---WDEY---MI---Lapeer
 1540---KZRK---AR---Ozark
 ---WADM---IN---Decatur
 1580---WSLL---MS---Centreville
 1590---WASY---ME---Gorham
 ---WASB---NY---Brockport
 1600---WAST---OH---Ashtabula

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12-----51HOW TO HOOK UP YOUR RECEIVER TO YOUR STEREO SYSTEM

by Eric Bueneman

Perhaps you asked yourself, "Is it possible to hook up my communications rig to my stereo system?" Well, now it's possible to hook your rig to your stereo system. Imagine hearing WLS, WCBS or AXW on your stereo!

PARTS YOU NEED:

1. A general-coverage or communications receiver
2. A stereo receiver with an auxiliary jack
3. A stereo "Y" adapter (two RCA jacks to one stereo 1/8" jack)
4. One pair of stereo patch cords

When you have all the necessary parts, you are ready to make your rig part of your stereo system.

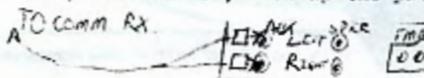
First, put together the "Y" adapter and the stereo patch cord.



Next, hook up the 1/8" end to the external speaker (EXT SPKR) jack.



And, last of all, hook up the patch cord to the auxiliary (AUX) jack.



With all the hook-ups complete, turn on your stereo system. With the system in the auxiliary mode, turn on your rig. If you hear anything, there is no doubt that it does work. If, for some reason, no sound is coming through, it could be that your wires are crossed, neither receiver is on or your antenna isn't hooked up. With your communications receiver hooked up to your stereo system, you can record your favorite DX programs or your best DX on stereo cassette, reel-to-reel or eight-track player. Great for parties or lonesome nights. Let's hear your results in ausing!

Eric Bueneman

WRIE 'locked' off the air

WRIE-AM radio went off the air Wednesday afternoon as Marine Bank acted to protect the equipment and other assets for the station's creditors.

The bank contacted the county sheriff's department to get the locks and tumblers changed on all the doors at the station, 1012 Peach Tree. The bank took this action to secure the building and its contents, and to maintain utility services, according to a bank press release.

Michel said the station's power was turned off about 2:45 p.m.

Meanwhile, Burbach Broadcasting Co., the parent company of WCKK-FM and WEYZ-AM, is considering the purchase of WRIE, said Howard

Nemenz, the general manager of the two stations.

Though Burbach is interested in buying the station, Nemenz noted that no offer has been made. He said several other parties are also interested in buying the station.

Burbach would have to sell WEYZ in order to buy WRIE because a Federal Communications Commission rule prohibits a company from owning three stations in one market.

Burbach would consider buying WRIE partly because of its stronger signal, Nemenz said.

20 FEB 1986 THUR.

WRBD

JOE FISHER
Station Manager

1470 SOUL
1470 AM

4431 ROCK ISLAND ROAD / FORT LAUDERDALE, FLORIDA / AREA CODE 305/
FORT LAUDERDALE 731-4800 / MIAMI 949-3151 / WEST PALM BEACH 737-4998

STATION PROFILE

⑩ Tony Fitzherbert, 356 Jackman Avenue, Fairfield, CT 06430

STATION PROFILE: WDER-1720, "WONDERful Radio", Derry, N.H.



Derry, New Hampshire, 40 miles north of Boston, is distinguished for two reasons. The first is that it is the home of John Glenn, the first American in space. The second reason is far less dramatic, but representative of a trend associated with the growth of all urban areas. Derry has doubled its population from a count of 11,700 back in 1970.

With this population spurt, primarily by commuters attracted by the proximity of I-93 for a straight shot to Boston and Route 128's high tech alley, or North to Manchester and Concord, came a market for a locally-oriented radio station.

The typically wide New England main street, lined with small businesses and town green has been supplemented by sprawling housing. The market for a radio station gave birth to WDER, WONDERful Radio for Derry.

WDER signed on the air at 6:00AM, on October 23, 1983. The air date was marked with a remote broadcast and hot air balloon rides in the town park, and an easy listening format, plus lots of news and features for Derry and surrounding towns. In February, 1984, with the Program Director on vacation, a group of staff members decided that a more upbeat format was in order. The elevator music was shelved for an adult contemporary format. Over the objections of the PD, the format exists today, with automation, and the capability to run six hours of tapes unattended. Century 21 Music Service supplies WDER with both its music tapes and its jingles. The board operator can call up the musical program on a computer screen, and also instruct the computers to what to do in airing commercials, promotions, or other material.

In this way, the DJ can announce the next selection, as contrasted with the scene in studios thirty years ago, when the DJ would sit among three giant turntables next to a huge tape machine. Three DJ's work full time at WDER.

WDER's management has always placed emphasis upon local news and public service coverage. Professional and experienced News Director Al Cappannelli has been with WDER since its inception. Al broadcasts news every half hour during drive time, and hourly during the day. Al, and Woody Woodland also do the play by play of Derry and nearby Londonderry high schools' football plus high school boys' and girls' basketball. They also host a sports talk show every afternoon at 5:30 PM. WDER also carries Red Sox baseball plus New England Patriots football. The morning is filled by music, news, and a trivia contest, as well as a telephone talk show.

The full time station signs on the air at 6:00, and leaves the air at 11:00PM. An exception was during the November, 1984 election night, when Derry voted to change its form of government to a mayor and council form of government. The issue was so important that the station stayed on the air all night.

The newest addition to WDER is Christian programming. Under the direction of Gene Vallee, Christian Program Director, this format began on Sunday evenings, and today is heard all day on Saturday and Sunday, and, as the promotion notes, "After Sunset, there's a Sunrise", at 6:00PM weeknights. This format change has been received with delight in an area with very little Christian programming on the radio.

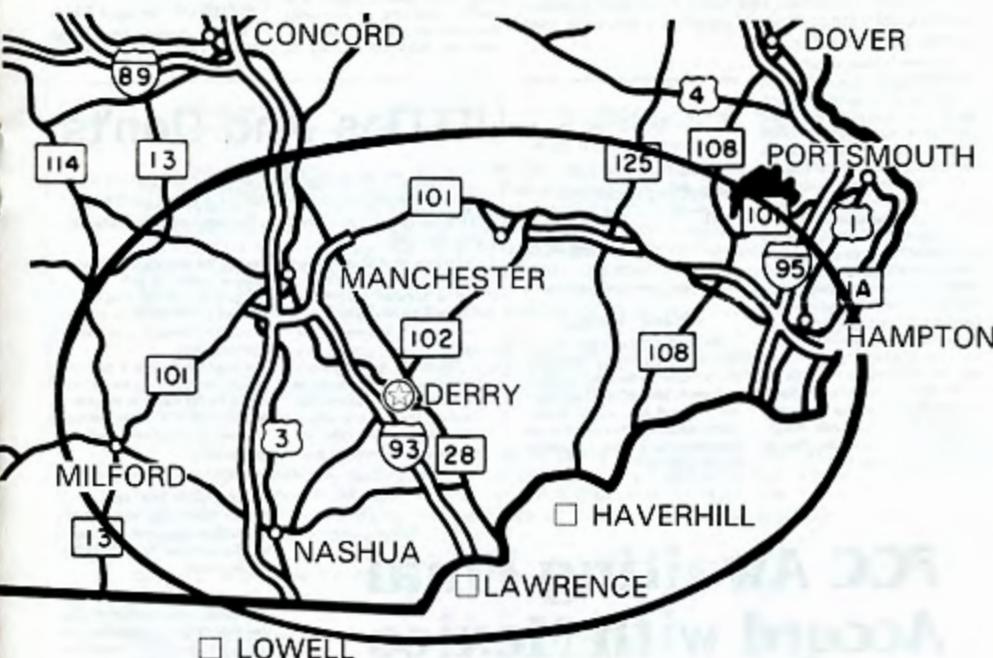
WDER is located in a small building on Lawrence Road, three miles south of Derry. Like many northern New England buildings, WDER is crowned by solar panels for heating. The station's sales and executive offices are on the second floor.

In the basement are Al's news room, a small studio housing a carousel which plays up to six hours of programming, complete with time announcement capabilities. Also in the lower level is the station's control room, and the transmitter, a Potomac Model 6001D510.

In back of the studio and office building is found the station's four 200 foot hightowers. Arranged in a diamond pattern, two towers are used for the daytime 5000 watt pattern. All four towers are used for the night 1000 watt pattern, which is shaped like a clover leaf. The day signal covers an area from Milford to the Atlantic Ocean, and from

WDER - 2

Manchester south to North Andover, Massachusetts. The night signal covers Derry, and Salem, eight miles to the south. WDER must protect WDLW-1330, Waltham, MA, WARA-1320, Attleboro, MA, WATR-1320, Waterbury, CT, and WLOB-1310, Portland, ME.



WDER - YOU TELL US AND WE'LL TELL
EVERYONE

The editor thanks the following WDER staffers for their assistance. WDER President, Al Gureckis, News Director Al Cappannelli, General Manager Jim Van Law, and Christian Program Director Gene Vallee, plus Sports Broadcaster (and part time minister, when not on the air) Woody Woodland, all of whom contributed greatly in the preparation of this WDER profile. The editor has visited many radio stations and has seldom met as friendly, hospitable people as the WDER staff. Heartfelt appreciation is in order to these very cordial people for their contribution to DX News.

#



RIDING MOUNTAIN
BROADCASTING LTD
P.O. Box 880
Brandon, Manitoba
R7A 6N6

The rhythm of Wyoming

1490 AM

80222
P.O. Box 670
Torrington, WY

⑫ FCC Plans \$500 Fines For Sloppy Station IDs

The FCC says many radio stations have become lax about their official hourly identifications (IDs) in recent years and it plans to begin cracking down on violators for the first time with fines of \$500. Official IDs must include a station's call letters and actual community of license. (See sidebar on official ID rules.)

"It's been obvious in spot-checking from time to time that you get everything under the sun," according to W.E. Ours of the FCC Field Operations Bureau (FOB). "Some stations are and some stations aren't complying with the rule."

Ours said compliance is especially lax away from metro areas, where FCC inspections are less frequent. He told of listening to some stations for "hours on end" without hearing an official ID, while other stations are "very precise." Ours observed, "It runs the whole gamut from nothing up to perfection."

The increased use of on-air promotional slogans in place of call signs is undoubtedly a major factor in the lack of compliance. Some broadcasters may also have been confused by the 1983 rule change permitting stations to adopt dual or multiplicity IDs at will.

"It's been obvious in spot-checking from time to time that you get everything under the sun."

— W.E. Ours, FCC

Advance Warning

The decision to begin issuing fines for ID errors was contained in a new Mass Media Bureau policy statement adopted in December and released last month. FOB's Ours explained, "We wanted to tell them in advance before we started dumping on them."

ID Dos And Don'ts

There are no guidelines governing how stations may promote themselves during unofficial IDs that don't occur at the top of the hour. However, the rules on official IDs are very specific:

- Stations must ID themselves at the beginning and end of each "time of operation" plus "hourly, as close to the hour as feasible, at a natural break in program offerings."
- Official IDs must consist of calls, followed immediately by the actual community or communities of license. The only insertion permitted between the calls and community is the name of the licensee, the station's frequency or channel number, or both.
- Stations may add extra towns or cities onto their official IDs, as long as the community of license is mentioned first.
- Simulcasting AM-FM combos may air joint IDs, but "if the call letters of the FM station do not clearly reveal that it is an FM station, the joint announcement shall so identify it."

to issue on-the-spot fines up to \$10,000. Previously, any violation warranting a fine over \$2000 had to be referred to the Mass Media Bureau for action.

The Commission also warned stations that, once notified of a fine, they have 30 days to report on what corrective measures have been taken. Otherwise, a second fine of \$1000 will be imposed for the reporting failure.

EBS Violations Rampant

The policy statement lists over 40 specific violations for which broadcasters may be fined anywhere from \$300 to \$2000. One of the most troublesome areas for stations in recent years has been the Emergency Broadcast System (EBS).

Stations are frequently cited for failure to conduct EBS tests (\$300), failure to install or have operational an EBS monitor receiver and/or tone generator (\$1000), or failure to have available the EBS checklist or authenticator word list (\$300).

JK

FCC Awaiting Final Accord with Mexico

Washington DC . . . As of late January, FCC officials said they had no idea when Mexico would be ready to sign a final agreement that would allow US daytimers operating on Mexican clear channels to add nighttime operations.

"We just don't know. We're still waiting," said FCC Attorney Jonathan David. However, he said he hoped the agreement could be penned by March.

Though a preliminary agreement was signed 16 August 1985, the date of the final accord, which had been expected by November 1985, was delayed by damage that Mexico's communications authority suffered in a September earthquake.

David said that the Commission has

received word from Mexican authorities that all necessary documents, including lists of affected stations, have been delivered to the appropriate offices in Mexico.

Once the final agreement is signed, it will take 90 days for the FCC to issue show cause orders to daytimers on 540, 730, 800, 900, 1050, 1220 and 1570 kHz specifying their nighttime power levels.

Once signed, the agreement will also allow other daytimers to expand their post-sunset (PSS) authority past 6 PM, local time. Show cause orders are not needed because the FCC has informed stations of their PSS power levels.

David said that the Commission has

Via: Radio World & J.F.



Wollongong's favourite
Radio Station

⑪ Mini-MWT-1C: A Simple, yet Versatile, Medium-Wave Tuner

Mark Connelly -- WALION DX Labs -- 10 JAN 1986

Introduction

This article is a continuation of DX engineering work on the MWT family of tuners (previous articles: 18 DEC 1985, 07 JAN 1986).

The Mini-MWT-1C, to a certain degree, resembles the other Mini-MWT's; however, some less-necessary features of the -1A and -1B have been removed to permit simpler operation and to provide other capabilities possibly of greater worth to some DXers. Reducing the cost of the unit and the complexity of its construction are also design goals of Mini-MWT-1C. For instance, the BBA-B Broadband Amplifier Card (estimated cost to build = \$ 10) is used rather than the RFE-A Front End Card which costs nearly twice as much to make.

Items that were removed: Q switch, car radio/car ant. jacks, special setting for wires shorter than 3 m. / 10', non-medium-wave tuning, and vernier (fine) tuning. For many DXers, these items are unneeded frills.

Added features are passive tuning (a feature shared with the larger MWT-1) and broadband amplification (a feature not provided by any other heretofore-released MWT-family tuner). The four functions of the Mini-MWT-1C are governed by the settings of two simple toggle switches, S2 and S3, in accordance with Table 1:

Table 1: Functions of the Mini-MWT-1C tuner

Desired Function	S2 setting	S3 setting
bypass (direct feed:ant. to RX)	broadband (BB)	amplifier off
broadband amplification	broadband (BB)	amplifier on
passive tuning	tuned	amplifier off
active tuning	tuned	amplifier on

The broadband amplification function is very useful in beefing up the anemic output of smaller tuned loop antennas such as the Palomar.

Construction details are being foregone other than to provide a schematic (Figure 1) and a bill of materials (Table 2). Much of the information (frequency coverage, operation, construction, parts lists, etc.) of the two previous MWT-family tuner articles may be applied here. The BBA-B Broadband Amplifier card is fully described in the article "MMX-4 and Mini-MMX-4 series Phasing Units", dated 11 OCT 1985.

The Mini-MWT-1C may be purchased, fully assembled, for \$ 50 (US) plus \$ 5 shipping within the continental USA / \$ 10 shipping to Canada, Alaska, Hawaii, and US territories / \$ 15 shipping to anywhere else. Checks / money orders should be sent to Mark Connelly - 30 William Road - Billerica, MA 01866 USA. Note that this price is about \$ 25 less than that of a Mini-MWT-1A or Mini-MWT-1B and about \$ 50 less than that of the MWT-1 Regeneration-Capable tuner. An available option for longwave-only DXers is frequency coverage of 100 - 550 kHz by using different tank coils (L1 = 10000 uH, L2 = 3900, L3 = 1500, L4 = 560, L5 = 2200, L6 = 820, L7 = 330, L8 = 120) and a higher C4 (56 pF instead of 39 pF). There are no additional charges for this longwave version (which we'll call Mini-MWT-1C). Delivery time is approximately 4 weeks after receipt of order for the medium wave version and 6 weeks (because LW coils are not normally stocked) for the longwave model.

Figure 1: Mini-MWT-1C schematic

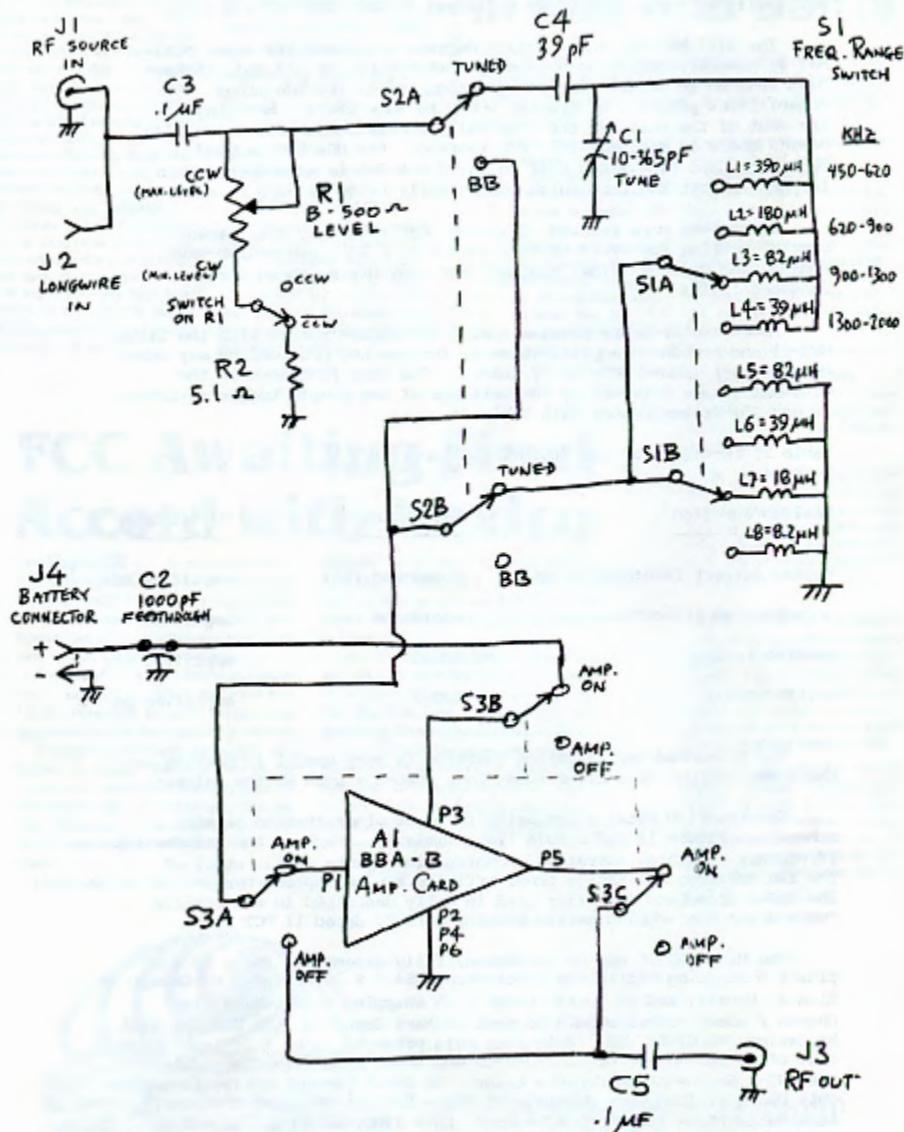


Table 2: Hole List for Mini-MWT-1C Tuner

=====

BOX USED = Radio Shack 270-238 (5.2" x 2.92" x 2.125")

X, Y, & D parameters are as described in previous articles on the MWT family of tuners.

=====

LEFT SIDE

Hole #	Comp. Design.	Description	X	Y	D
1	J1	RF source in - BNC jack	0.0	0.5	0.375
2	G1	GND H/W - int. & ext. lugs	0.0	1.125	0.113
3	J2	Wire Ant.In - banana jack	1.0	0.5	0.3125

TOP SIDE

Hole #	Comp. Design.	Description	X	Y	D
1	S2	Tuned / BB switch - tab	-1.625	2.25	0.113
2	S2	Tuned / BB switch - shaft	-1.625	2.0	0.25
3	S1	Freq. Range switch - tab	-1.625	1.25	0.14
4	S1	Freq. Range switch - shaft	-1.625	0.75	0.375
5	C1	Tuning Cap. - H/W 1	-0.463	2.25	0.14
6	C1	Tuning Cap. - shaft	0.0	2.0	0.5
7	C1	Tuning Cap. - H/W 2	0.463	2.25	0.14
8	R1	Level Pot - tab	0.9375	2.375	0.14
9	R1	Level Pot - shaft	1.25	2.375	0.3125
10	S3	Amp. On / Off switch - tab	2.125	2.625	0.113
11	S3	Amp. On / Off switch - shaft	2.125	2.375	0.25
12	A1	BBA-B Amp. Card - H/W 2	1.125	1.5	0.113
13	A1	BBA-B Amp. Card - H/W 1	2.125	1.5	0.113
14	A1	BBA-B Amp. Card - H/W 4	1.125	0.5	0.113
15	A1	BBA-B Amp. Card - H/W 3	2.125	0.5	0.113

RIGHT SIDE

Hole #	Comp. Design.	Description	X	Y	D
1	J4	battery holder - H/W 1	-0.125	1.875	0.113
2	J4	battery holder - H/W 2	-0.125	1.0	0.113
3	J3	RF out - BNC jack	0.0	0.5	0.375
4	G2	GND H/W - int. & ext. lugs	0.5625	0.5	0.113
5	C2	B+ input feedthrough cap.	1.0625	0.5	0.188

APPENDIX --- ANOTHER CORRECTION TO THE 18 DEC 1985 MWT-1 ARTICLE

=====

MWT-1 Hole List: Right Side hole # 6 is for C3, not C8.

/* end */

Standard Operating Procedures

1.0 Mode (1) direct feed of antenna to receiver

Note: C1 and S1 are not used in Mode (1); their positions are irrelevant.

1.1 Set S3 to Amplifier Off (= down).

1.2 Set R1 initially to fully CCW (the switch on R1 takes this attenuation pot out of the line).

1.3 Set S2 to Broadband (= down).

1.4 With receiver on desired frequency, check that the wanted signal is of sufficient strength and has no spurious mixing signals or images from strong local stations. If spurs / images are present, adjust R1 until they go away. If the wanted station is now too weak, use of operating mode (2) or (3) is suggested.

2.0 Mode (2) passive tuning

Note: Minimum suggested wire length for passive tuning is 33'/10 m.

2.1 Set S3 to Amplifier Off (= down).

2.2 Set R1 to fully CCW (attenuator out of line).

2.3 Set S1 for operating frequency range desired, per chart below:

S1 Frequency Range Switch Settings Chart

S1 Position	S1 Knob Pointer "o'clock"	Min. Freq. kHz	Max. Freq. kHz
-	---	---	---
1	11:30	450	620
2	12:30	620	900
3	1:30	900	1300
4	2:30	1300	2000

2.4 Set S2 to Tuned (= up).

2.5 Adjust C1 for maximum desired-frequency signal.

2.6 If overloading-caused spurious responses QRM the desired signal when C1 is properly peaked, adjust R1 to make the spurs go away. Slight re-peaking of C1 may then be necessary.

 * FOR SECTIONS 3 & 4 TO FOLLOW, A 9-VOLT BATTERY MUST BE *
 * INSTALLED IN THE J4 BATTERY CONNECTOR. *

3.0 Mode (3) active tuning

3.1 Do all passive tuning steps 2.1 through 2.6.

Note: If R1 adjustment was required in step 2.6, active tuning might not offer any signal-to-noise improvement.

3.2 Set S3 to Amplifier On (= up).

3.3 If overloading-caused spurious responses QRM the desired signal when C1 is properly peaked, adjust R1 to make the spurs go away. Slight re-peaking of C1 may then be necessary.

4.0 Mode (4) broadband amplification

Note: C1 and S1 are not used in Mode (4); their positions are irrelevant.

Note: This mode is not recommended for wire antenna inputs (medium-wave and shortwave spurs will likely result). The following procedure outlines broadband amplification of the output of a tuned loop antenna (e. g. Radio West loop, NRC loop) or a phaser (e. g. Mini-MWT-1A, Phase One).

4.1 Set S3 to Amplifier Off (= down).

4.2 Set R1 initially to fully CCW (the switch on R1 takes this attenuation pot out of the line).

4.3 Set S2 to Broadband (= down).

4.4 Connect loop or phaser output coaxial cable to J1; connect nothing to J2. (Receiver is still connected to J3; battery to J4.)

4.5 Adjust loop or phaser controls as you normally would.

4.6 Set S3 to Amplifier On (= up).

4.7 If overloading-caused spurious responses QRM the desired signal, adjust R1 to make the spurs go away.

Possible Mini-MWT-1C Enhancements / Modifications

* For those who habitually use shorter aerials (i. e. less than 100'/30 m.), the coupling capacitor (C4) could be increased to 47, 56, or 62 pF with no degradation of unattenuated-input tank-circuit Q. Greater coupling efficiency would be the result.

* The CCW pin of R1 may be separated from the R1 wiper arm. (The CCW pin would go to C3; the arm to switch S2 - section A - arm.) This has been found to give somewhat smoother level adjustment with certain lengths of antennae in strong-signal urban/suburban environments.

* A 1K linear pot with switch may be substituted for the 500 ohm R1 pot (if no 500 ohm pots are available). There are no detrimental effects on level-adjustment-smoothness as long as the CCW pin and wiper arm of R1 are not tied together (see previous item).

* Some might want to try putting the R1 pot on the line between the S2B arm and the S3A arm rather than in its present position (see schematic in 10 JAN 1986 article). Doing this will improve tank Q under some circumstances requiring attenuation; however, certain inductively-reactive inputs could cause poorer Q tuning if not shunted by the attenuator pot. The beauty of the Mini-MWT-1C design is that it's so simple that it lends itself to easy experimentation, modification, and restoration to its original state (should a given experiment not result in a performance improvement for the particular user).

* A different broadband amplifier (A1) could be used. If the unit was going to be used with an external power supply yielding higher current and/or voltage than a 9-volt battery, a more "muscular" amplifier (giving much better dynamic range, gain, and noise characteristics) could be incorporated. AGC (automatic gain control) might be an amplifier feature worth investigating.

* A six-position two-pole switch could be used for S1 (along with additional coils / à la Mini-MWT-1A) to provide extra frequency ranges.

* Other types of connectors could be used for J1 & J3 if a given user is not happy with industry-standard BNC types.

* Those who use many wire lengths could install a "length switch" SPDT toggle at the present C4 (electrical) location. This switch could select one of two different coupling capacitor values: a low value (e. g. 33 pF) for longer wires and a higher value (e. g. 100 pF) for shorter wires. I left this feature out because the whole idea of Mini-MWT-1C is simplicity. 39 pF or 47 pF is a good "middle-of-the-road" C4 coupling capacitor value usable with most of the wire aerials that MR DXers employ.

Using the Mini-MWT-1C Tuner: an addendum to the 10 JAN 1986 article

Mark Connolly --- WALION DX Labs --- 13 JAN 1986

Operating the Mini-MWT-1C

The tuned modes of a standard Mini-MWT-1C provide coverage of 450 - 2000 kHz (ship traffic, standard AM broadcast band, and 160-metre ham band).

The controls and connector lists (below), coupled with the schematic given in the 10 JAN 1986 article, should be referenced during the operating instructions.

Mini-MWT-1C Controls and Input / Output Connectors

Controls

location	designation	operational description
top	C1	main tuning capacitor
"	R1	level pot (input attenuator)
"	S1	frequency range (tank coil) switch
"	S2	function [broadband (BB) / tuned] switch
"	S3	amplifier on / off switch

Input / Output Connectors

location	designation	operational description	connector type
left side	J1	RF source (loop, phaser) input	BNC jack
"	J2	wire antenna input	banana jack
right side	J3	RF output to receiver	BNC jack
"	J4	9V battery holder	Keystone 1290

Applications Notes

Use Radio Shack 278-120 adapter to convert J3 to SO-239 (VHF) type jack.
 Use Radio Shack 278-251 adapter to convert J3 to "F" type jack.
 Use Radio Shack 278-254 adapter to convert J3 to RCA phono-jack.
 These adapters may be used to convert J1 similarly.

Initial Set Up (all modes)

* NOTE: NEVER CONNECT A WIRE OR OTHER RF SOURCE TO J1 OR J2 *

* UNLESS THE S3 SWITCH IS SET TO "AMPLIFIER OFF" (= DOWN). *

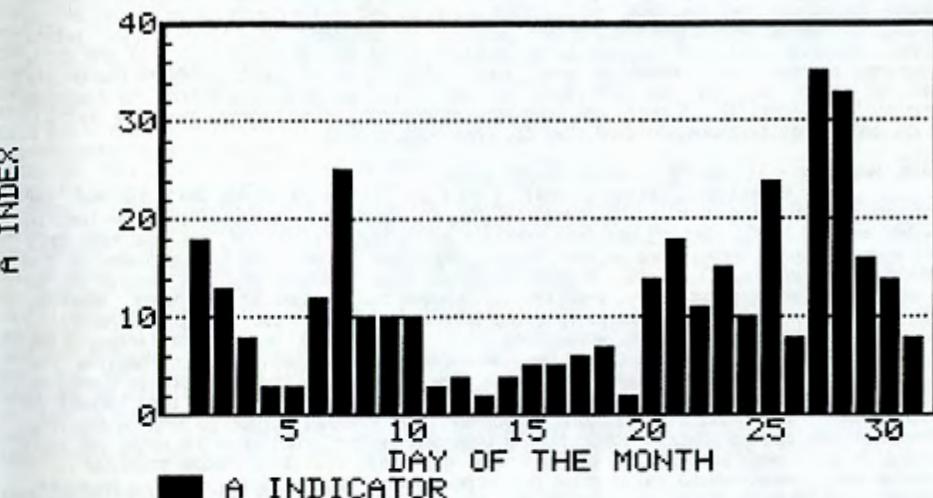
(Failure to do this may result in damage to the Broadband Amplifier Card.)

Before operating any of the four modes, connections to/from the Mini-MWT-1C must be made. The antenna or other signal source may be connected to J1 or J2. Earth ground should be connected, via clip-lead, to the "G1" ground lug (on the left side of the unit) if the cable to the receiver will be longer than 10'/3 m. or if the receiver is not grounded through mains or by some other connection. Grounding may help to reduce RF noise conducted or radiated by nearby power lines. Connect a coaxial cable to the receiver input from J3. A shielded communications-type receiver should be used; successful tuner operation with receivers using ferrite rod aerials (e.g. portable radios) is not always possible because of the inherent stray pickup of ferrite rods.

AfR GRAPH

Russ Edmunds, 753 Valley Road, Blue Bell, PA 19422

AFR GRAPH/JANUARY



This graph shows the daily variations in AfR, the Fredericksburg (VA) index of geomagnetic activity in the earth's magnetic field. High values (above 20) indicate that medium wave signals in upper latitude paths will likely be absorbed, thus resulting in "auroral conditions", with signals from the South and from local stations predominating due to this absorption of the more northerly signals. Low values over a period of time indicate a likelihood of more receptions of the higher-latitude paths. More, and more northerly TA's and TP's. Several days of low values following higher ones are needed for conditions to return to "normal", due to residual absorption. Long periods of extremely low values (6 or less) are necessary to raise the possibility of good high-latitude conditions throughout the entire MW band, although this is not the only requirement. For additional information on the use of the AfR and related indices as a DX tool, consult the NRC Reprints List for relevant articles. (The Reprint List can be obtained from the NRC Publication Center, whose address is located on the back cover). ---RJE

Radio stations

AM STATIONS	FM STATIONS
KILT (610) Country	KNUZ (106.1) Rock oldies
KIKK (654) Country	KXYZ (106.9) Spanish
KTRH (1060) News-sports	KCOH (106.8) Rhythms and blues
KLBQ (720) Contemporary hits	KLVL (106.0) Spanish
KEVIS (950) Spanish	KYOK (106.0) Rhythms and blues, jazz
KIKK (954) Country	KODA (99.1) Easy listening
KYWT (950) Spanish	KILT (106.2) Country
KPEC (960) News-talk	KLOL (106.1) Album rock
KPFD (960) Polka, Spanish	KMjq (106.1) Rhythms and blues, jazz
KLAT (960) Spanish	KUE (102.9) Nostalgia & temporary
KRBP (970) Solid gold rock	KRBB (104.1) Contemporary hits
KTEK (1110) Christian news/information	KTSU (96.9) Texas Southern University
KTUN (1110) Adult contemporary/rock oldies	KACC (91.3) Alvin Community College
	KTRU (91.3) Rice University
	KYND (95.1) Easy listening
	KKBQ (95.9) Contemporary hits

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Y14 Covered Duration

MUSINGS

Paul Swearingen

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The opinions expressed in this column are those of the individual writer and do not necessarily reflect those of the Editors, Publishers, or the National Radio Club, Inc., or its subsidiaries.

Times are local per Muse.

Although the theme this time around is "story time", we have a scattering of commentaries elicited by earlier theme ideas, plus Laura's Muse, which passed through a Black Hole on the way here, taking six days to reach me. (That's not as bad as the paycheck we mailed out on the 10th of January which reached its destination, in Salinas, CA, 40-odd days later, however.) Usually mail from the east coast averages three days to reach here. At any rate, mail in your commentaries concerning your local station which most needs to change its format in plenty of time to get here by Mar. 28, and your suggestions for snagging summertime DX by April 18. I could use some suggestions for Muse themes for the May 23, June 27, and August 1 issues, so send them in. And now, on with it!

Laura M. McCusker - 23 John St. - Kingston, NY 12401

Greetings, fellow DX'ers! I hope the '85-'86 DX season was a fun one for all of you and your receivers. Up here in NY, I think the season overall can best be described as "not bad". January was interesting - not a large volume of new catches, only 9, but some very good ones. More on that later. This Muse is dedicated to employees of the broadcast media, of which I am one. Towards this end, maybe everyone would be interested to know that there are currently big, exciting (?) changes taking place at WGHQ/WBPM. WBPM-FM, now automated except for AM drive, is going live from 6 am to 7 pm, starting in March. A whole new studio is being built to accomodate this - new tape decks, turntables, a new board, the works. And while the GM has his checkbook out anyway, we're overhauling the production studio, and WGHQ is also getting a new board. As you can probably guess, we don't need this new equipment too badly. I think the current board in the prod studio is WWII surplus. WGHQ will also be going AM stereo. And I almost forgot to mention the new transmitter! We have a Harris SX-5 that's been nothing but problems since being put into operation 3+ years ago; in fact, the phrase "the guy from Harris is coming tomorrow ..." has become very common around the station in the past year. After giving numerous migraines, the cranky SX-5 is being replaced by a new one, free of charge. Some of the new equipment has already started arriving - new turntables were installed in the prod studio last week, and they're certainly a sight for sore eyes! They look impressive, but it's hard to tell how they sound, since they're still hooked up to a board that's older than Methuselah. But that will change soon. Formerly, in the prod studio, we had Gray Research turntables. I'm leaking this information against the expressed wishes of our CE, who said it was embarrassing to still be using Gray Research TT's in the mid '80's, and for him, as CE, to actually have to work on them ... well, need I say more? Yecch. But I figured everyone would find this information amusing, so ... Sorry, Don! I had to do it. Anyway, it won't be very evident to DX heads, but the place is really starting to shape up. (Does Don have time to write up veries, hi?! -pls) So much for that stuff. Now, on to the DX. Jan. was a good month for picking up things that are relatively close by, but don't drop in often; some for the first time ever. The first of these was WMMI, Mechanicville, NY, 1170, coming in thru noise with BB mx and call-in fundraiser. These guys took me totally by surprise - didn't even know they existed! A couple of days later received WSCM, Cobleskill, NY, 1190, u/WLIB. Even closer, but still elusive, is WTBQ, Warwick, NY, 1110, received well during SRS u/WURN with local nx. Finally, there's WLIN, Patchogue NY, 1580, booming in o/usually dominant WSHR, with local nx. 860 brought me two nice surprises early in the month - WDMG, Douglas, GA, conveniently fell into my lap at 2000 on 1/3 with legal ID and mention of 99.5 FM. Five days later it was WDAY, Oak Hill, WV, dug out from under a huge mess with ID. Another pleasant surprise from the year's first month was WPEP, Taunton, MA, on normally hibernating 1570. 1570 and 1580 were fun to DX in PA, but are usually dormant and boring here in NY, so anything new and different is always welcome. Haven't had time to DX much in February, but have gotten some interesting finds when I have turned the radio on. On 2-3 at 0036, picked up loud a/c mx on 1580. Music was cut every couple of minutes for a few seconds at a time, but no ID's. Was cut permanently at 0052. Anybody know who it is? If it was somebody doing a test, I didn't hear them bother to ID. Picked up what was definitely a test at 0035 2-8 with WQOW on 1420. They ID'ed themselves in nice detail - "This is WQOW now testing on 1420 kHz." I enjoy such attention to detail. But my favorite catch came on 2-3 at 0105. For the first time since moving to NY, FL is heard! The last time I got the sunshine state was back in Nov. '83 while living in PA - it was the always impressive WQIK, 1320 Jacksonville. This time I heard, faintly, thru much noise, WPCK, 1290, West Palm Beach. Heard the end of network news (didn't catch which network) and full ID, giving the city. After hearing "West Palm Beach" and picking myself up off the floor, I looked them up in the log, just to be sure. And sure enough, they do exist! A nice capper, I think, to an interesting season. I certainly hope Florida stops by again soon! It should know it's always welcome here. I hope this Muse reaches the West Coast before the deadline.

My letters from way out here in the East seem to wander around the country for about 6 days before arriving at their destination out west. Well, what do you want for 22 cents? Shut up and stop complaining. (I'd bet a commemorative that they kick around your P. O. for about three of those days -pls) Good DX to all.

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DX has been very strange the last few days, Feb. 10-12. On the 10th I received WIAK-1000 Huntsville, AL broadcasting under the emergency management agency, giving the weather. Time was from 7:35 to 8:30 EST. The first time I recorded this station it was WIAK, then WQOV, now WIAK again. WNOE-1060, New Orleans, was booming in like a local at the same time. On the 11th, Cuba was heard on 650. WSM was gone. El Salvador was heard poorly on 655. Could hear a time signal under WJR-760, probably Cuba; also WNWS-790 S. Miami was very strong. This freq. is usually dominated by WTAR. At 8:30 EST on 810 I heard a station mention Columbia several times; don't understand Spanish, so did not log it. On the 11th at SSS the band was almost dead except for a few spots. Many small Ohio stations were received that are very difficult at any time. All were good. Received a verie from WGEED-1360 Green Bay, WI. I very seldom send for a verie, but sent a report to WGEED probably a year ago, then forgot about it. The letter said that for a variety of reasons many reports had been laid aside unanswered, some for several years. So don't give up on the slow ones. Verie signer sent to Wayne Heinen. (Thanks, Harley -pls) My most wanted station is Jerry Starr's WQOT; so far, not a whisper, but will hear it eventually. This is supposed to be story time; the one I think about at this time happened about 1938-39, a few years after I started in radio. I had a service call in Columbus, about 20 miles from home. All the tools I owned I put in a fishing tackle box and walked over to Rt. 40 and stuck out my thumb. A nice guy hauling a load of big logs stopped for me. The floor of the truck cab was piled full of log chains, so I set my box of tools outside the cab on some more chains. We were almost to my destination when the tool box fell off and was run over by the dual wheels. The truck driver was very upset about this but I told him it was my fault and let him go on. After gathering up everything I could find, it was a total loss: soldering iron, pliers, screwdrivers, etc. Only one item was intact, and that was a small glass jar, like a baby food jar, that contained a liquid solder flux. It was unbroken. My only steady job at the time was helping the school janitor, and it paid \$1.00 per week for about 15 hours work, so it was a long time till these tools were replaced. I remember a verse from somewhere that says, "Backward, turn backward, oh time on thy way; make me a boy again just for a day." Not a day like that! Good DX'ing, all. (Thanks for sharing the experience! -pls)

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Paul Swearingen - Canoga Park, CA

Don't forget about the beverage party the weekend of March 15-16 ... check last week's DX News for details. // Okay, I've got a story to tell on myself, complete with sequels. Having been a bachelor during much of my existence, one of my weaknesses is good food, and leading the list are fudge brownies. One Sunday morning when I came to work at KUDL I found a plate of brownies neatly laid out next to the coffee machine. I snarfed down a couple of them, wondering at the somewhat seedy ingredients. After a completely normal day doing the news, one of the FM jocks wandered through the newsroom and casually inquired if any of the pot brownies were left. It took a second or two, but I finally realized that some of the ingredients of the brownies had not been properly endorsed by Betty Crocker. Well, I never learn my lesson, and a few years later during my tenure as an English teacher I discovered another plate of brownies in the teachers' lounge. A couple of them disappeared into my gullet, of course, and that evening I experienced what can best be described in a family publication as acute gastric expedition. You guessed it ... the main ingredient was chocolate Ex-Lax! From then on I didn't even trust my ex to bake me brownies, but that's another story ...

Dan Phillips - 109 Breckenridge Road - Franklin, TN 37064

It has been quite some time since I appeared in these pages. I have been a member of the NRC since 1958. I am also a ham operator with call letters N4NU so please add me to the ham list. I am active on 160 meters through two meters. Most of the DX lately has been consisting of logging new locals that have gone on the air. These include WOCR-560 in Brentwood, TN, which is really only two and a half miles from me and is really a lot nearer to Franklin than to Brentwood. The people of Brentwood would not allow them to place the station there because of a new 2000-foot-high FM tower which suddenly appeared in a sub-division with two hundred thousand dollar homes. Amazing how developers can get around such ordinary things as letting people know of new things that they will be putting in others' back yards. WMBB-1160 is tearing WJJD apart all night. The last of the great frequencies has now vanished. KSL and WJJD had shared the frequency. Key loggings in 1985 included WWA (ex-WQOV)-1000 kHz. KOB-770 logged at 7:44 am on 1-15-85 while on my way to work. A real rarity. WWR (ex-WJW) logged on 12-29-85 at 2 am, followed by WJCR-1040 on Dec. 30 for a new local. Fortunately, I have not heard them at night. The clears now have a weird sound under most of them, which sounds like weak interference. On Jan. 20, 1986, KDRY was tearing up WME at 6:30 pm. Are they, too, fulltime? On 2-9 a heavy auroral night and WAMI-1060 in Titusville, FL booming in like a local at 10:17 pm. Lastly, the DX from WIFX-1000 was heard at 2:11 am for my first test in many, many moons. It's good to see several DX tests lined up. 73.

Jack Woods - P. O. Box 1003 - Waldport, OR 97394

My lack of fluency in SS is becoming a serious drawback in BCB DX'ing. A couple of years ago I took two community college courses in conversational SS. They were fun, but

the sentences we learned, such as "Please open the window" or "Do you like strawberries?" don't help too much with rapid-fire radio SS! Some CA SS stations seem to ID with jingles. Once in a while there is an easy one. KIRO-1520 Port Hueneme heard for the first time this week, with a brief but clear ID in EE. New subject: I have to disagree with Ernie's opinion (Musings, Issue 18) concerning counting new stations. As for frequency changes, what we tune for is electromagnetic radiation from a complete system, which includes transmitter, antenna, and ground system. With a change of frequency, the electrical length of the antenna towers, ground radials, spacing between towers, and distance between ground radials all change. It's now a different system with some of the characteristics of the original. It's something like the relationship between mother and daughter! As for call changes, if Mary Smith chooses to change her name to Mary Jones, does she then become a different person? To paraphrase Wm. Shakespeare, "What's in a call? WLS by any other call letters would get out as well." Maybe these decisions boil down to what we visualize in a station. Do we see the control station and the people who work there or do we see the transmitter site? While writing this I've been listening to 1490 and just heard a new one: KSYC Yreka, CA, with full sign-on, an hour earlier than the time given in the Domestic Log. As a rule I don't have the patience to sit on a GY very long. 73. (Thanks for your additions to the discussion, Jack; we'd welcome more. The point is that a person new to the hobby needs some feel for what others are counting and not counting, and these discussions are useful to them and to others who may not have given enough thought to counting methodology to be consistent. I doubt that Ernie, you, or I are going to change our counting methods, but perhaps others may choose to do so -pls)

On Verie Counting

Charles A. Taylor - NAVCALAB - N. A. S. Whidbey Island - Oak Harbor, WA 98278-8500

I disagree with everyone, possibly even myself. I count neither callsign nor frequency changes (although I tape both). To expand on Ernie Cooper's corollary: If Miss Mary Jones changes her name to Mrs. Mary Smith, she's the same person still. If KKKO-1380 Everett, WA changes its call to KBAE (it did), it's still the same station. If it moves to 1386 kHz (it hasn't yet), it's still the same station. If it moves to 540 kHz, it's the still the same station. If a mythical DX'er in Milwaukee tunes to 1340, has patience, and waits a few years, he'll fill his log if a call change qualifies for a new log count. If Mary Jones-Smith moves across a state border, is she a new person? Now, just maybe if KKKO/KBAE/KRFE moves to Egypt, I'll count it again, hi. 73 de Charlie (Just be sure to report to Chuck's, not Nancy's, column, hi! Here's a nasty thought: If Mrs. Mary Smith gets a divorce and reverts to her maiden name (KUJ-KRTH-back to KUJ, for example), would those of you who count name/call changes subtract one count? -pls)

Paul Mount - 471 Emerson Ave. - Teaneck, NJ 07666 (201) 836-1682 anytime

Found a way to beat the winter doldrums - took a 3-day trip to Houston in January. Stayed with John Sally and visited Pete Nolan. While late-afternoon DX'ing on Galveston Island 1-16 it was a surprise to hear WLW blasting in while keeping the bright sunshine out of my eyes (until I remembered that darkness had set in, in Ohio). WPIX and WLW come in strong across the Gulf. However, nothing comes in from FL so there is some limit to the distance of propagation via waterpath. (Check the FL stations' patterns, Paul ... the majority blanket the Bahamas, rather than aiming west, apparently protecting Mexico -pls) The 990 from Beaumont TX was heard playing Barry Manilow's "Could It Be Magic", then made an announcement that KGIC Magic 99 was coming Monday - and went right back into the Manilow record, continuing that "format" all weekend. Saw the nation's largest promotional item collection at the North American Radio Promotional Bank inside channel 26 that evening. Friday I rode around with John on his pizza runs. Saturday Pete, John, and I went station visiting, first to Spanish KXYZ-1320 who went off the air about the time we drove (we didn't do anything!) (Sure, Paul! -pls) Then over to Baytime to participate in KBOK-1360's hour-long Tradio program. Then to stations in towns like Liberty, Livingston, and Huntsville before arriving in the twin cities of Bryan-College Station. Had better luck with promo items in the smaller towns. Set two records on the trip - furthest south ever, Galveston, and furthest west, Bryan. Will work on both this year with possible trips to the Radio*Philes convention in L. A. in March and the IRCA convention in West Palm Beach this summer. Other than that, not too much going on here. 73.

Grant Manning - 3417 Purer Rd. - Escondido, CA 92025 (619) 741-2891

Greetings! I am personally in the market for a good AM car radio. Over the years I've gotten calls from a few folks at Radio West requesting the same information. So, I'd like to hear from NBC's on the subject and if it's possible, and enough folks request it, I'll make it available thru Radio West. Obviously a good AM car radio would also make a shortwave converter perform well! Good DX! (Sometime Greg Harison and I are going to have a tuneoff between his Toyota National/Panasonic and my Grundig which was extracted from a VW. Both are excellent DX rx's. What can you get in the way of AM Stereo rx's -pls)

Niel Wolfish - 31 Southlawn Stroll - Winnipeg, MB R3T 5E9

One night while DX'ing, this thought came to me. It seems that the stations audible regularly in Winnipeg are generally either country, adult, or talk. Top 40/CHR is not heard much anymore on AM radio. However, one should keep in mind that most Canadian cities still have one or two outlets that play the hits. Toronto (CHUM, CFPR), Hamilton (CROC), London (CJBK, CKSL), Sudbury (CKSO), Winnipeg (CFRW, CKY), Brandon (CKX), and Kingston (CKLC) are such examples. Many others that may be Adult or Country in the daytime cater to the teens at night, such as Dauphin's CCRM-730. My point is that keeping these facts in mind should be useful when you are DX'ing. Just about any station in the past year played Lionel Ritchie's "Say You, Say Me", be it WLS-890 or CFRE-1010. However, proportionally, it seems to me that you'll hear more "rock" north of the Gorden than south of it. For example, one night I was sitting on 1390 and heard back-to-back songs by Led Zeppelin and Bryan Adams. I didn't have to wait for an ID to realize it was CJCY-1390. Bryan Adams may not be a tip-off, because he has sold a pile of records in the past year. However, I think most American stations these days would be more likely to play an old song by Christopher Cross or Chicago than one by Led Zeppelin. This little trivial point may save you some time when DX'ing. Some "rock" artists you are likely to hear only on a Canadian station include Rational Youth, Images In Vogue, Lee Aaron, Helix, Platinum Blonde, Honeymoon Suite, FM, Doug & The Slugs, Gowan, Rush, Luba, Paul Janz, The Headpins, Chilliwack, and Ian Thomas. Any comments on these observations would be welcome. Very few of the aforementioned artists would ever be heard on WLS-890, WCZY-1500, or any of the other remaining American CHR stations on AM. 73's. (I've heard Doug & the Slugs, Rush, Chilliwack, and Ian Thomas here in L. A. but only on FM -pls)

Neil G. Zank - 623 Lyncrest Dr. - Lincoln, NE 68510

Time to take keyboard in hand and pound out another Musing of a member. My mailbox, radio, and ears have been somewhat active lately. A few veries have arrived here - Norway 1314, WSCJ-810, and WSJP-1130 have all gone into my files. Now, on to the airwaves with what I have and have not heard. MM 2-10: Spent a half-hour trying on test from WDCT-1310 but no results at my listening post. On 2-11 afternoon: ID'd KXLL-1100 Webb City, MO with REL and ID 4:57-5:05 pm ELT, weak signal fighting slop from adjacent channels.

I suspect this would be fairly regular here if not for problem with adjacent channel. 2-14: SSS brought up KTUN-1180 Humble TX 6:45-7:00 pm ELT with AdCon mx, traffic report, and several local spots with a pretty decent signal. 2-15: Back on 1180 and heard WJN Newburgh, IN with Tri-State wx, Community Reminders, REL mx into full data s/off by PD, decent signal on this date 6:20-6:30 pm. And this morning 2-17 took a shot at test from WVM-1570 1:00-1:30 am, many TT's of varied pitch noted, also seemed to be Christmas chimes several times, but no voice modulation made it here. There was fierce QRM from XERF and CTRA noted. So this one leaves me wondering. Here one never knows what to expect from XERF from night to night, whether they will be loud or weak; whether they will be in English or Spanish; or on or off. Ya takes your chances. One note of slight interest regarding my report of test on WIFX-1000 on 1-14; I see further reports about WCFL TT QRM this date and the TT was in fact someone else. The TT's were noted a full half-hour before WCFL s/off at 2 am at this vantage point. It will be interesting to see how DDXD-West idea goes.

Marshall Cubitt - 5 Strathcona St. - Smiths Falls, ONT K7A 1V6 Canada

It has been about a year since I wrote last. Well, I guess that I should tell you that I am up from 350 to 516 loggings. To bring you all up to date on some changes: CFJR-1450 to 830, Brockville, ONT; CHAM-1280 to 820, Hamilton ONT; CPGO-1440 to 1200, Ottawa, ONT. WYHV-750 Canton, NY is not on the air yet. I guess it will be on in late spring. But myself, I can't see Canton ever going on 750. I have a copy of a DX Ontario bulletin that shows that 750 has been set aside for a clear channel for Ottawa as of an agreement signed in early 1985 between Canada and USA. Some noted call sign changes: CKOY-1310 - CIWW ID's as W-1310. I don't know how they came up with W-1310 ID. I kind of think it sounds like an AM FM ID or something. One new station, CKOA-1490 Arnprior, ONT to Mill north of Smiths Falls ONT. 10-31: with CJET off the air, hooking up a new transmitter, I was able to log several new 630's and 640's: 630: WPRO, CHLT, and CJLA; 640: CBN and WMO. 11-14: 1110 came alive to log 4 new stations: WUHN, WKBG, WSUM, and WNH. 11-22: 1470 was real good with WNH, WMBD, and WOHO coming in for the first time. 1-24: 1450 came wide open, allowing 4 new stations, WWSG, WFRA, WJER, and WBBD. In the last week I have heard two strange things on 1600. First, on 2-4 I heard a CW beacon which I can't ID. The second thing, on 2-11 I heard Canadian time signal station CHU from National Research Council in Ottawa, which shouldn't be on 1600 kHz. (Perhaps a spur or image? -pls) A couple of other logs that I list as tentative loggings that I should mention: On 800, LAR53 Radio San Martin de Los Andes in Argentina, and on 790 IRG, R. Mitre, Buenos Aires, in Argentina. I have already had LAR53 disputed in CIDX, telling me that I was hearing PJB Bonaire, but I am sure it was R. St. Martin De Los Andes because I heard its ID slogan twice. (Marshall, WRTH lists LAR53's slogan as "R. Nacional": St. Martin de Los Andes is the name of the city of license -pls)